

## 6CH serial input motor driver IC for DSC

### Features

- Built-in 5 full-swing/constant voltage drivers switched by serial control with brake function
- Built-in 2 constant current drivers for shutter or IRIS
- Low on-resistance (1.2Ω, sum of on-resistance of up side and bottom side)
- Output current :  $I_{out} \leq 0.8A(\text{max.})$  for each channel
- Built-in thermal shutdown (TSD, 150°C)
- Built-in CC mode weak excitation
- CH1/2, CH3/4 and CH5/6 correspond to STM control of 2-2 phase or 1-2 phase
- All power supply systems (VCC, VM12, VM34, VM5, VM6) can be set up with an independent power supply
- Power save mode corresponds by serial control setup
- PI (photo interrupter drive) 3 channel built-in.
- Small 40TQFN (5×5mm) is adopted

### Applications

- Stepping motor driver/ DC motor driver for DSC

### General Description

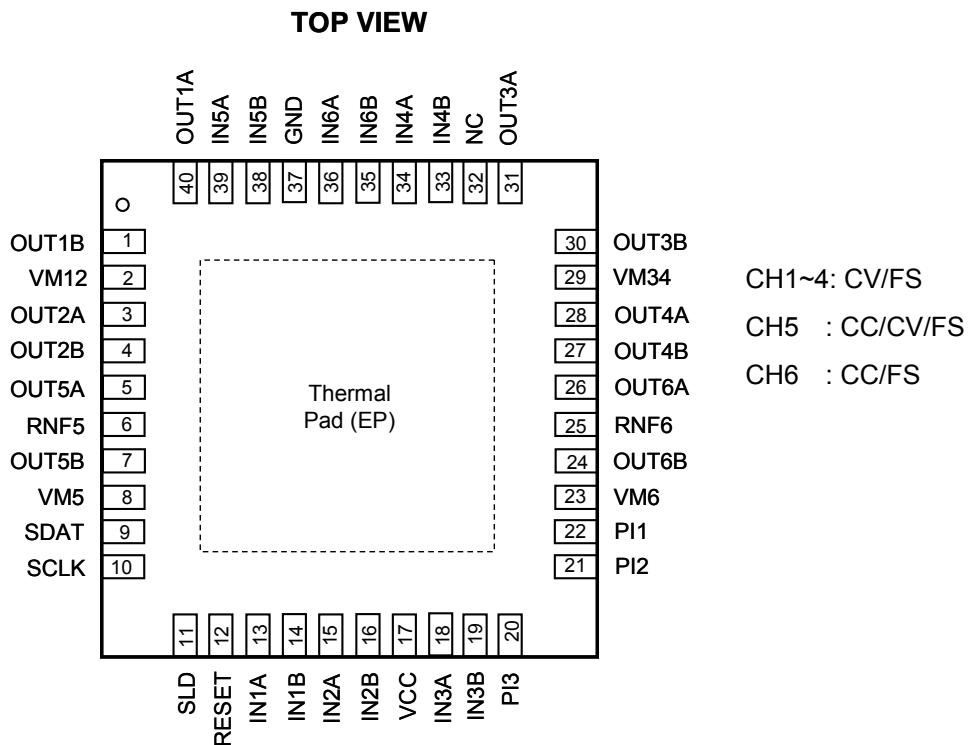
G2007 is a 6-channel H-Bridge motor drivers IC for the digital camera and so on. It has five full-swing/constant voltage drivers and two full-swing/constant current drivers. G2007 can be operated in serial control mode or partial exterior control mode. When operating in partial exterior control mode, the mode of each CH is fixed by initial serial control setting. When operating in serial control mode, the mode of each driver can be setting by serial control.

### Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G2007RG1U	2007	-20°C to +85°C	TQFN5X5-40

Note: RG: TQFN5X5-40  
 1: Bonding Code  
 U: Tape & Reel

### Pin Configurations



Note: Thermal Pad must connect to the Ground for excellent power dissipation.